

Regarding Approval LA21058
W½ 8-23-18 W4M

Statement of Groundwater Monitoring Requirements

Condition #7 of Approval LA05002 was carried forward into Approval LA21058 as written and renumbered as explained in Decision Summary LA20049. The condition reads:

“5. Earthen Manure Storage (EMS) Leakage Detection System Reporting

- a. Leakage detection well results must be submitted to the NRCB in report format until such time as the NRCB adjusts the monitoring frequency, test parameters and/or report contents. All reports (comprehensive and/or indicator) must include, but will not be limited to:***
- Background information – site description, soil logs, diagrams***
 - Water level elevations***
 - Elevation of liquid manure in the EMS at the time of water sampling***
 - Dates when the EMS was emptied***
 - Inspection of the surface well casing for its integrity***
 - Explanation of the water sampling collection technique***
 - Field and laboratory work***
 - Discussion and explanation of the results including a trend analysis***
 - Recommendations***
- b. An indicator report must be done annually with results submitted to the NRCB by July 30, beginning in 2006. The Indicators report must include laboratory analysis of the indicator parameters outlined in the most recent NRCB technical guideline ‘Leak Detection and CFO’s’.”***

The NRCB re-assessed the groundwater monitoring requirements on September 10, 2009, using results from an environmental risk screening conducted for this facility. A new risk screening was conducted in conjunction with Authorization LA21016. The new assessment confirmed the assessment conducted in 2009. Therefore, the suspension, as issued by the signing Approval Officer below, still stands.

Based on the risk screening result, and a review of other site specific information pertinent to this facility, the NRCB has determined that the groundwater monitoring requirements for this facility should be:

Monitoring Frequency

Groundwater monitoring requirements are suspended.

Monitoring Well Test Parameters

Not applicable, as monitoring is suspended.

Monitoring Wells to be used for Monitoring

Not applicable, as monitoring is suspended.

The results of the risk screening exercise indicated this facility has a low potential to impact the uppermost groundwater resource. There are approximately 27 meters of clay (gravely till and clay) and 6 m of bentonic clay underlying the facility between the bottom of the earthen manure storage and above the uppermost groundwater resource. Given the geologic materials under the facility, it is unlikely that the groundwater quality would be impacted by the facility.

Note that the installation of new water wells in the area surrounding the CFO may impact the potential risk to groundwater quality at a facility and therefore may require monitoring requirements to be revised. To ensure that monitoring requirements are appropriate, CFO operators should inform the NRCB of any new water wells that are being developed or installed in the area surrounding their facility.

The integrity of all monitoring wells must be maintained. Any damaged or destroyed wells must be reported to the NRCB and may be required to be repaired or replaced.

These monitoring requirements become effective on the date of this letter and supersede any previously issued monitoring requirements at this facility.

Date: March 16, 2022

Signed:

(Original Signed)

Carina Weisbach
Approval Officer